

AMENDMENTS TO THE CLAIMS

Please replace the claims with the amended claims attached hereto.

1. (Currently Amended) A planar ~~Planar~~ antenna comprising:

a planar metal-plated, at least on one side, dielectric waveguide, to the side walls of which two metal waveguides are adjoining that are connected with ~~the~~ a planar waveguide via periodical array of slots, wherein an array period comprises two slots shifted or inclined with respect to each other, and radiating elements having two symmetry planes are placed in ~~the~~ nodes of a rhombic mesh on ~~the~~ a surface of the planar waveguide.

2. (Currently Amended) The device ~~Device-on of~~ claim 1, in which the planar waveguide has a form of a rhomb.

3. (Currently Amended) The device ~~Device-on of~~ claim 1, in which the metal waveguides have rectangular cross-section.

4. (Currently Amended) The device of ~~Device-on~~ claim 3, in which the metal waveguides are contacting with the planar one by its wide sides.

5. (Currently Amended) The device of ~~Device-on~~ claim 3, in which the metal waveguides are contacting with its narrow sides of the planar one waveguide ~~by its narrow sides~~.

6. (Currently Amended) The device of ~~Device on~~ claim 1, in which the ~~plane~~ planar waveguide is metal-plated on two sides and the radiating elements are implemented ~~in the form of~~ as metallizations having a square or round form ~~holes in one of metallizations~~.

7. (Currently Amended) The device of ~~Device on~~ claim 1, in which the ~~plane~~ planar waveguide is metal-plated on one side, and the radiating elements are implemented as metallizations having a square or round form.